

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

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1. (Currently Amended) A heating and air-conditioning system for a motor vehicle, comprising:

(a) a conditioning housing;

(b) a first heat exchanger operably integrated within said conditioning housing;

(c) a plurality of air outlet openings in said conditioning housing for guiding air to front interior zones of a motor vehicle;

(d) a connecting section on the outside of said conditioning housing;

(e) an air outlet opening through said connecting section; and ~~selection~~  
either

(i) a releasable cover for covering, in a tight, leak-proof manner, said air outlet opening through said connecting section; or

(ii) a rear temperature control unit attached in a tight, leak-proof manner to said connecting section and in fluid communication with said conditioning housing via said air outlet opening through said connecting section, said rear temperature control unit comprising an additional housing having a second heat exchanger operably integrated therein;

(f) a fastener means for selectively attaching to said connecting section to either (i) said releasable cover or (ii) said rear temperature control unit

(i) a releasable cover for covering, in a tight, leak-proof manner, said air outlet opening through said connecting section; or

~~(ii) a rear temperature control unit attached in a tight/leak proof manner to said connecting section and in fluid communication with said conditioning housing via said air outlet opening through said connecting section.~~

2. (Currently Amended) A heating and air-conditioning system as claimed in claim 1, wherein ~~said~~ the motor vehicle further comprises rear interior zones.

3. (Original) A heating and air-conditioning system as claimed in claim 2, wherein the system comprises said rear temperature control unit attached to said connecting section.

4. (Original) A heating and air-conditioning system as claimed in claim 3, wherein said rear temperature control unit comprises an air guiding arrangement leading from said conditioning housing to said rear interior zones.

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5. (Cancelled)

6. (Currently Amended) A heating and air-conditioning system as claimed in claim 5 1, wherein said additional housing comprises an air control element.

7. (Cancelled)

8. (Currently Amended) A heating and air-conditioning system as claimed in claim 5 1, wherein said additional housing comprises both an air control element and a second heat exchanger operably integrated therein.

9. (Original) A heating and air-conditioning system as claimed in claim 1, further comprising a partition separating said first heat exchanger into a left portion and a right portion.

10. (Currently Amended) A heating and air-conditioning system as claimed in claim 7, further comprising a partition separating said first and second heat exchangers into respective left portions and a right portions.

11. (Currently Amended) A heating and air-conditioning system as claimed in claim 1, wherein a wall of said connecting section is substantially larger than said air outlet opening.

12. (Original) A heating and air-conditioning system as claimed in claim 5, wherein said additional housing comprises an open housing section capable of tight, leak-proof attachment to said connecting section of said conditioning housing.

13. (Original) A heating and air-conditioning system as claimed in claim 3, wherein said attaching means comprises flange members corresponding to each other and capable of fitting together on each of said connecting section and said rear temperature control unit.

14. (Currently Amended) A heating and air-conditioning system as claimed in claim 1, further comprising a plurality of electrically activated positive temperature coefficient PTC elements integrated in said first heat exchanger for water side temperature regulation.

15. (Original) A heating and air-conditioning system as claimed in claim 1, further comprising air flaps for regulating the flow of air through said first heat exchanger.

16. (Currently Amended) A heating and air-conditioning system as claimed in claim 1, wherein said attaching means comprises a profiled flange arrangement on said connecting section for cooperating with mating flange arrangements on said removable cover and on said real rear temperature control unit.

17. (Currently Amended) A motor vehicle comprising a heating and air-conditioning system ~~according to claim 1 which comprises:~~

(a) a conditioning housing;

(b) a first heat exchanger operably integrated within said conditioning housing;

(c) a plurality of air outlet openings in said conditioning housing for guiding air to front interior zones of a motor vehicle;

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- (d) a connecting section on the outside of said conditioning housing;
- (e) an air outlet opening through said connecting section; and either
  - (i) a releasable cover for covering, in a tight, leak-proof manner, said air outlet opening through said connecting section; or
  - (ii) a rear temperature control unit attached in a tight, leak-proof manner to said connecting section and in fluid communication with said conditioning housing via said air outlet opening through said connecting section, said rear temperature control unit comprising an additional housing having a second heat exchanger operably integrated therein;
- (f) a fastener for selectively attaching said connecting section to either
  - (i) said releasable cover or (ii) said rear temperature control unit.

18. (Currently Amended) A conditioning housing for a heating and air-conditioning system that can be adapted to produce either a two-zone, three-zone or four zone system, comprising:

- (a) a heat exchanger operably integrated within said conditioning housing;
- (b) a connecting section on the outside of said conditioning housing;
- (c) an air outlet opening through said connecting section; and either
  - (i) a releasable cover for covering, in a tight, leak-proof manner, said air outlet opening through said connecting section; or
  - (ii) a rear temperature control unit attached in a tight, leak-proof manner to said connecting section and in fluid communication with said conditioning housing via said air outlet opening through said connecting section, said rear temperature control unit comprising an additional housing having a second heat exchanger operably integrated therein;

(d) a fastener means for selectively attaching to said connecting section to either (i) said releasable cover or (ii) said rear temperature control unit

(i) ~~a releasable cover for covering, in a tight, leak proof manner, said air outlet opening through said connecting section; or~~

~~(ii) a rear temperature control unit attached in a tight/leak proof manner to said connecting section and in fluid communication with said conditioning housing via said air outlet opening through said connecting section.~~

19. (Newly Added) A conditioning housing according to claim 1, wherein said fastener comprises a bonding fastener, a frictional fastener or an interlocking fastener.

20. (Newly Added) A conditioning housing according to claim 18, wherein said fastener comprises a bonding fastener, a frictional fastener or an interlocking fastener.